



The IC3357 module has sixteen input channels for Pt100/Pt1000 sensors within a range of  $-50^{\circ}\text{C}$  to  $+200^{\circ}\text{C}$ .

The IC3357 module is designed for 2-wire sensors.

#### Characteristics

- Fulfill the most demanded analog measurements in the industry
- High resolution
- Self diagnosis
- High density modules

The IC3357 module is available in the following variants:

Reference	Description
IC3357CB	16 input channels for 2-wire Pt100/Pt1000 sensors, DIN 41612 F output connector

Technical Features	IC3357CB
<b>Functional</b>	
Input signal	PT100 sensor
Number of inputs	16
Connection mode	2 wires
Self diagnosis	Yes
Hot swap	Yes
Measurement ranges	$-50^{\circ}\text{C}$ to $200^{\circ}\text{C}$
Refresh time	48ms max
A/D converter	16bits
<b>Electrical</b>	
Break down current in current mode	-
Break down voltage	-
Open circuit voltage	3,4V (max.)
PT100 current	1,6mA (max.)
Isolation input to system	1500Vac, 60s
Isolation between inputs	No
TSX bus current from 3,3V	600mA (max.) / 400mA (typ.)
Current from 5,0V	-
<b>Mechanical</b>	
Dimensions (WxHxD)	26mm x 175mm x 130,41mm
Weight	210 g
Slot width	1 Slot TSX
Output connector	DIN 41612 F, 48 pin
<b>Climatic</b>	
Operating Temperature	Class TX: $-40^{\circ}\text{C}$ to $+70^{\circ}\text{C}$
Storage Temperature	$-40^{\circ}\text{C}$ to $+85^{\circ}\text{C}$
Relative Humidity	5% to 95% w/o condensing
<b>Accessories (Not included)</b>	
Field connection options	DIN 41612 F, 48 pin Socket